

Substitute Form PTO-1449 (Modified)	U.S. Department of Commerce Patent and Trademark Office	Attorney's Docket No. 11696-067002	Application No. 10/702,341
<b>Information Disclosure Statement</b> <b>by Applicant</b> <i>NOV 05 2004</i> <small>(Use several sheets if necessary)</small> <small>(37 CFR §1.98(b))</small>			
Applicant Roderick J. Scott		Filing Date November 6, 2003	Group Art Unit 1638

U.S. Patent Documents							
Examiner Initial	Desig. ID	Document Number	Publication Date	Patentee	Class	Subclass	Filing Date If Appropriate
<i>AB</i>	AA	6,011,200	01/04/00	Dellaporta et al.			
<i>AB</i>	AB	6,444,469	09/03/02	Dellaporta et al.			

Foreign Patent Documents or Published Foreign Patent Applications							
Examiner Initial	Desig. ID	Document Number	Publication Date	Country or Patent Office	Class	Subclass	Translation
							Yes No
	AC						

Other Documents (include Author, Title, Date, and Place of Publication)		
Examiner Initial	Desig. ID	Document
<i>AB</i>	AD	Fourgoux-Nicol et al., "Isolation of Rapeseed Genes Expressed Early and Specifically During Development of the Male Gametophyte," <u>Plant Molecular Biology</u> , 1991, 40: 857-872.
<i>AB</i>	AE	Gutterson, "Anthocyanin Biosynthetic Genes and Their Application to Flower Color Modification Through Sense Suppression," <u>HortScience</u> , 1995, 30(5): 964-966.
<i>AB</i>	AF	Emery et al., "Radial Patterning of Arabidopsis Shoots by Class III HD-ZIP and KANDI Genes," <u>Current Biology</u> , 2003, 13:1768-1774.
<i>AB</i>	AG	Mazzolini et al., "Assaying Synthetic Ribozymes in Plants: High-Level Expression of a Functional Hammerhead Structure Fails to Inhibit Target Gene Activity in Transiently Transformed Protoplasts," <u>Plant Molecular Biology</u> , 1992, 20:715-731.
<i>AB</i>	AH	Jacobsen et al., "Ectopic Hypermethylation of Flower-Specific Genes in Arabidopsis," <u>Current Biology</u> , 2000, 10:179-186.
<i>AB</i>	AI	Ronemus et al., "Demethylation-Induced Developmental Pleiotropy in Arabidopsis," <u>Science</u> , 1996, 273:654-657.
<i>AB</i>	AJ	Bushell et al., "The Basis of Natural and Artificial Postzygotic Hybridization Barriers in Arabidopsis Species," <u>The Plant Cell</u> , 2003, 15:1430-1442.
<i>AB</i>	AK	Liu et al., "Multiple Domains are Involved in the Targeting of the Mouse DNA Methyltransferase to the DNA Replication Foci," <u>Nucleic Acids Research</u> , 1998, 26(4):1038-1045.
<i>AB</i>	AL	Vikenog et al., "Hypomethylation Promotes Autonomous Endosperm Development and Rescues Postfertilization Lethality in Fie Mutants," <u>The Plant Cell</u> , 2000, 12:2271-2282.
<i>AB</i>	AM	Luo et al., "Expression and Parent-of-Origin Effects for FIS2, MEA, and FIE in the Endosperm and Embryo of Developing Arabidopsis Seeds," <u>PNAS</u> , 2000, 97(19):10637-10642.
<i>AB</i>	AN	Ohad et al., "Mutations in FIE, a WD Polycomb Group Gene, Allow Endosperm Development without Fertilization," <u>The Plant Cell</u> , 1999, 11:407-415.
<i>AB</i>	AO	Kinoshita et al., "Polycomb Repression of Flowering During Early Plant Development," <u>PNAS</u> , 2001, 98(24):14156-14161.

Examiner Signature <i>John Brown</i>	Date Considered <i>10/07/04</i>
EXAMINER: Initials citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.	

Substitute Form PTO-1449 (Modified)	U.S. Department of Commerce Patent and Trademark Office	Attorney's Docket No. 11696-067002	Application No. 10/702,341
<b>Information Disclosure Statement</b> by Applicant (Use several sheets if necessary)		Filing Date November 6, 2003	
		Group Art Unit 1638	

U.S. Patent Documents							
Examiner Initial	Desig. ID	Document Number	Publication Date	Patentee	Class	Subclass	Filing Date If Appropriate
	AA						
	AB						
	AC						
	AD						
	AE						
	AF						
	AG						
	AH						
	AI						
	AJ						
	AK						

Foreign Patent Documents or Published Foreign Patent Applications							
Examiner Initial	Desig. ID	Document Number	Publication Date	Country or Patent Office	Class	Subclass	Translation
							Yes No
	AL						
	AM						
	AN						
	AO						
	AP						

Other Documents (include Author, Title, Date, and Place of Publication)		
Examiner Initial	Desig. ID	Document
	AQ	GenBank Accession No. C10692 dated 12/28/98
	AR	GenBank Accession No. AL021711 dated 03/10/00
	AS	GenBank Accession No. Z97335 dated 06/28/99
	AT	GenBank Accession No. U53501 dated 05/06/96

Examiner Signature <i>John Baum</i>	Date Considered <i>10/14/05</i>
EXAMINER: Initials or station considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.	

1014103

Sheet 1 of 4

Substitute Form PTO-1449 (Modified)	U.S. Department of Commerce Patent and Trademark Office	Attorney's Docket No. 11696-067001	Application No. 10/058,825
Information Disclosure Statement by Applicant (Use several sheets if necessary) (37 CFR §1.98(b))		Applicant Roderick J. Scott	
		Filing Date January 30, 2002	Group Art Unit 1632

U.S. Patent Documents						
Examiner Initial	Desig. ID	Document Number	Publication Date	Patentee	Class	Subclass
	AA					

Foreign Patent Documents or Published Foreign Patent Applications						
Examiner Initial	Desig. ID	Document Number	Publication Date	Country or Patent Office	Class	Subclass
	AB	0 117 618	07/27/88	EPO		
	AC	0 242 246	11/11/92	EPO		
	AD	0 270 822	06/15/88	EPO		Abstr.
	AE	0 344 029	01/29/97	EPO		
	AF	WO 98/04725	02/05/98	PCT		
	AG	WO 98/07834	02/26/98	PCT		
	AH	WO 01/09299	02/08/01	PCT		

Other Documents (include Author, Title, Date, and Place of Publication)		
Examiner Initial	Desig. ID	Document
	AI	GenBank Accession No. CT0692
	AJ	GenBank Accession No. U53501
	AK	GenBank Accession No. Z97335
	AL	GenBank Accession No. AC002130
	AM	GenBank Accession No. AC002396
	AN	GenBank Accession No. AC002986
	AO	GenBank Accession No. AC007067
	AP	GenBank Accession No. AE014824
	AQ	GenBank Accession No. AL021635
	AR	GenBank Accession No. AL021711
	AS	GenBank Accession No. AL035538
	AT	Adams et al., "Parent-of-origin effects on seed development in <i>Arabidopsis thaliana</i> require DNA methylation," <i>Development</i> , 2000, 127(11):2493-2502
	AU	Alexander and Wulff, "Experimental Ecological Genetics in <i>Plantago</i> : X. The Effects of Maternal Temperature on Seed and Seeding Characters in <i>P. lanceolata</i> ," <i>J. Ecology</i> , 1985, 73(1):271-282

Examiner Signature 	Date Considered 10/14/05
EXAMINER: Initials citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.	

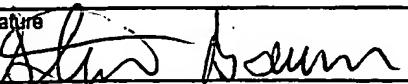
Substitute Form PTO-1449 (Modified)	U.S. Department of Commerce Patent and Trademark Office	Attorney's Docket No. 11696-067001	Application No. 10/058,825
<b>Information Disclosure Statement by Applicant (Use several sheets if necessary)</b>  (37 CFR §1.98(b))		Applicant Roderick J. Scott	
		Filing Date January 30, 2002	Group Art Unit 1632

<b>Other Documents (include Author, Title, Date, and Place of Publication)</b>		
Examiner Initial	Desig. ID	Document
	AV	Angenent et al., "A Novel Class of MADS Box Genes is Involved in Ovule Development in Petunia," <i>Plant Cell</i> , 1995, 7:1569-1582
	AW	Bender and Fink, "Epigenetic Control of an Endogenous Gene Family Is Revealed by a Novel Blue Fluorescent Mutant of <i>Arabidopsis</i> ," <i>Cell</i> , 1995, 83:725-734
	AX	Bevan, "Binary <i>Agrobacterium</i> vectors for plant transformation," <i>Nucleic Acids Res.</i> , 1984, 12(22):8711-8721
	AY	Bhattacharya et al., "A mammalian protein with specific demethylase activity for mCpG DNA," <i>Nature</i> , 1999, 397:579-583
	AZ	Brink and Cooper, "The Endosperm in Seed Development," <i>The Botanical Review</i> , 1947, 13:423-541
	AAA	Brutnell and Dellaporta, "Somatic Inactivation and Reactivation of <i>Ac</i> Associated With Changes in Cytosine Methylation and Transposase Expression," <i>Genetics</i> , 1994, 138:213-225
	ABB	Chaudhuri and Messing, "Allele-specific parental imprinting of <i>dzy1</i> , a posttranscriptional regulator of zein accumulation," <i>Proc. Natl. Acad. Sci. USA</i> , 1994, 91:4867-4871
	ACC	Chaudhury et al., "Fertilization-independent seed development in <i>Arabidopsis thaliana</i> ," <i>Proc. Natl. Acad. Sci. USA</i> , 1997, 94:4223-4228
	ADD	Chen et al., "Gene dosage and stochastic effects determine the severity and direction of uniparental ribosomal RNA gene silencing (nucleolar dominance) in <i>Arabidopsis</i> allopolyploids," <i>Proc. Natl. Acad. Sci. USA</i> , 1998, 95:14891-14896
	AEE	Colombo et al., "The Petunia MADS Box Gene <i>FB11</i> Determines Ovule Identity," <i>Plant Cell</i> , 1995, 7:1859-1868
	AFF	Duvick, "Genetic Contributions to Advances in Yield of U.S. Maize," <i>Maydica</i> , 1992, 37:69-79
	AGG	Ehlenfeldt and Ortiz, "Evidence on the nature and origins of endosperm dosage requirements in <i>Solanum</i> and other angiosperm genera," <i>Sex Plant Reprod.</i> , 1995, 8:189-196
	AHH	Finnegan et al., "Reduced DNA methylation in <i>Arabidopsis thaliana</i> results in abnormal plant development," <i>Proc. Natl. Acad. Sci. USA</i> , 1996, 93:8449-8454
	AII	Foster et al., "A <i>Brassica napus</i> mRNA encoding a protein homologous to phospholipid transfer proteins, is expressed specifically in the tapetum and developing microspores," <i>Plant Science</i> , 1992, 84:187-192
	AJJ	Fromm et al., "Stable transformation of maize after gene transfer by electroporation," <i>Nature</i> , 1986, 319:791-793
	AKK	Giroux et al., "A single gene mutation that increases maize seed weight," <i>Proc. Natl. Acad. Sci. USA</i> , 1996, 93:5824-5829
	ALL	Goto and Meyerowitz, "Function and regulation of the <i>Arabidopsis</i> floral homeotic gene <i>PISTILLATA</i> ," <i>Genes &amp; Development</i> , 1994, 8:1548-1560
	AMM	Grossniklaus et al., "Maternal Control of Embryogenesis by MEDEA, a Polycomb Group Gene in <i>Arabidopsis</i> ," <i>Science</i> , 1998, 280:446-450
	ANN	Gruenbaum et al., "Sequence specificity of methylation in higher plant DNA," <i>Nature</i> , 1981, 292:860-862
	AOO	Guercet et al., "Influence of seed size on germinability, germ length, rootlet length and grain yield in spring oat," <i>Die Bodenkultur</i> , 1998, 49(1):13-18

Examiner Signature 	Date Considered 10/15/05
EXAMINER: Initials or name. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.	

Substitute Form PTO-1449 (Modified)	U.S. Department of Commerce Patent and Trademark Office	Attorneys Docket No. 11696-067001	Application No. 10/058,825
<b>Information Disclosure Statement by Applicant</b> (Use several sheets if necessary) (37 CFR §1.98(b))		Applicant Roderick J. Scott	
		Filing Date January 30, 2002	Group Art Unit 1632

Other Documents (include Author, Title, Date, and Place of Publication)		
Examiner Initial	Design. ID	Document
	APP	Haig and Westoby, "Genomic imprinting in endosperm: its effect on seed development in crosses between species, and between different ploidies of the same species, and its implications for the evolution of apomixis," <i>Phil. Trans. R. Soc. Lond. B</i> , 1991, 333:1-13
	AQQ	Hannah and Greene, "Maize Seed Weight is Dependent on the Amount of Endosperm ADP-glucose Pyrophosphorylase," <i>J. Plant Physiol.</i> , 1998, 152:649-652
	ARR	Irish and Yamamoto, "Conservation of Floral Homeotic Gene Function between <i>Arabidopsis</i> and <i>Antirrhinum</i> ," <i>Plant Cell</i> , 1995, 7:1635-1644
	ASS	Jack et al., "The Homeotic Gene <i>APETALA3</i> of <i>Arabidopsis thaliana</i> Encodes a MADS Box and Is Expressed in Petals and Stamens," <i>Cell</i> , 1992, 68:683-697
	ATT	Jones et al., "Methylated DNA and MeCP2 recruit histone deacetylase to repress transcription," <i>Nature Genetics</i> , 1998, 19:187-191
	AUU	Kakutani et al., "Characterization of an <i>Arabidopsis thaliana</i> DNA hypomethylation mutant," <i>Nucleic Acids Res.</i> , 1995, 23:130-137
	AVV	Kakutani et al., "Developmental abnormalities and epimutations associated with DNA hypomethylation mutations," <i>Proc. Natl. Acad. Sci. USA</i> , 1996, 93:12406-12411
	AWW	Kass et al., "DNA methylation directs a time-dependent repression of transcription initiation," <i>Current Biology</i> , 1997, 7:157-165
	AXX	Kermicle and Alleman, "Gametic imprinting in maize in relation to the angiosperm life cycle," <i>Development</i> , 1990, Supplement, pp. 9-14
	AYY	Kiyosue et al., "Control of fertilization-independent endosperm development by the <i>MEDEA</i> polycomb gene in <i>Arabidopsis</i> ," <i>Proc. Natl. Acad. Sci. USA</i> , 1999, 96:4186-4191
	AZZ	Koltunow et al., "Apomixis: Molecular Strategies for the Generation of Genetically Identical Seeds without Fertilization," <i>Plant Physiol.</i> , 1995, 108:1345-1352
	AAAA	Krannitz et al., "The Effect of Genetically Based Differences in Seed Size on Seedling Survival in <i>Arabidopsis Thaliana</i> (Brassicaceae)," <i>Am. J. Botany</i> , 1991, 78(3):446-450
	ABBB	Laherty et al., "Histone Deacetylases Associated with the mSin3 Corepressor Mediate Mad Transcriptional Repression," <i>Cell</i> , 1997, 89:349-356
	ACCC	Li et al., "Role for DNA methylation in genomic imprinting," <i>Nature</i> , 1993, 366:362-365
	ADDD	Lund et al., "Endosperm-specific demethylation and activation of specific alleles of $\alpha$ -tubulin genes of <i>Zea mays</i> L.," <i>Mol. Gen. Genet.</i> , 1995, 246:716-722
	AEEE	Luo et al., "Genes controlling fertilization-independent seed development in <i>Arabidopsis thaliana</i> ," <i>Proc. Natl. Acad. Sci. USA</i> , 1999, 96:296-301
	AFFF	Manga and Yadav, "Effect of seed size on developmental traits and ability to tolerate drought in pearl millet," <i>J. Arid Environments</i> , 1995, 29:169-172
	AGGG	Marshall, "Effect of Seed Size on Seedling Success in Three Species of <i>Sesbania</i> (Fabaceae)," <i>Amer. J. Bot.</i> , 1986, 73(4):457-464
	AHHH	Martienssen and Richards, "DNA methylation in eukaryotes," <i>Curr. Opin. Genet. Dev.</i> , 1995, 5:234-242
	AIII	Matzke and Matzke, "How and Why Do Plants Inactivate Homologous (Trans)genes?" <i>Plant Physiol.</i> , 1995, 107:679-685
	AJJJ	Nan et al., "Transcriptional repression by the methyl-CpG-binding protein MeCP2 involves a histone deacetylase complex," <i>Nature</i> , 1998, 393:386-389

Examiner Signature 	Date Considered 10/15/05
EXAMINER: Initials citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.	

Substitute Form PTO-1449 (Modified)	U.S. Department of Commerce Patent and Trademark Office	Attorney's Docket No. 11696-067001	Application No. 10/058,825
<b>Information Disclosure Statement by Applicant</b> (Use several sheets if necessary) (37 CFR §1.98(b))		Applicant Roderick J. Scott	
		Filing Date January 30, 2002	Group Art Unit 1632

Other Documents (include Author, Title, Date, and Place of Publication)			
Examiner Initial	Desig. ID	Document	
	AKKK	Napoli et al., "Introduction of a Chimeric Chalcone Synthase Gene into Petunia Results in Reversible Co-Suppression of Homologous Genes <i>in trans</i> ," <u>Plant Cell</u> , 1990, 2:279-289	
	ALLL	Ohad et al., "A mutation that allows endosperm development without fertilization," <u>Proc. Natl. Acad. Sci. USA</u> , 1996, 93:5319-5324	
	AMMM	Ohad et al., "Mutations in FIE, a WD Polycomb Group Gene, Allow Endosperm Development without Fertilization," <u>Plant Cell</u> , 1999, 11:407-415	
	ANNN	Pazin and Kadonaga, "What's Up and Down with Histone Deacetylation and Transcription?" <u>Cell</u> , 1997, 89:325-328	
	AOOO	Razin, "CpG methylation, chromatin structure and gene silencing – a three-way connection," <u>EMBO J.</u> , 1998, 17(17):4905-4908	
	APPP	Reiser et al., "The <i>BELL1</i> Gene Encodes a Homeodomain Protein Involved in Pattern Formation in the <i>Arabidopsis</i> Ovule Primordium," <u>Cell</u> , 1995, 83:735-742	
	AQQQ	Richards, "DNA methylation and plant development," <u>Trends in Genetics</u> , 1997, 13(8):319-323	
	ARRR	Roberts et al., "Gametophytic and sporophytic expression of an anther-specific <i>Arabidopsis thaliana</i> gene," <u>Plant J.</u> , 1993, 3(1):111-120	
	ASSS	Roeckel et al., "Phenotypic alterations and component analysis of seed yield in transgenic <i>Brassica napus</i> plants expressing the <i>tzs</i> gene," <u>Physiologia Plantarum</u> , 1998, 102:243-249	
	ATTT	Ronemus et al., "Demethylation-Induced Developmental Pleiotropy in <i>Arabidopsis</i> ," <u>Science</u> , 1996, 273:654-657	
	AUUU	Schaal, "Reproductive Capacity and Seed Size in <i>Lupinus Texensis</i> ," <u>Amer. J. Bot.</u> , 1980, 67(5):703-709	
	AVVV	Scott et al., "Parent-of-origin effects on seed development in <i>Arabidopsis thaliana</i> ," <u>Development</u> , 1998, 125:3329-3341	
	AWWW	Sessions et al., "Patterning the floral meristem," <u>Seminars in Cell &amp; Developmental Biology</u> , 1998, 9:221-226	
	AXXX	Solter, "Differential Imprinting and Expression of Maternal and Paternal Genomes," <u>Annu. Rev. Genet.</u> , 1988, 22:127-146	
	AYYY	Stoskopf et al., "Chapter 17 – Interspecific and Intergeneric Hybridization," <u>Plant Breeding – Theory and Practice</u> , 1993, Westview Press, Boulder, CO, pp. 345-371	
	AZZZ	Vongs et al., " <i>Arabidopsis thaliana</i> DNA Methylation Mutants," <u>Science</u> , 1993, 260:1926-1928	
	AAAAA	Winn, "Effects of Seed Size and Microsite on Seedling Emergence of <i>Prunella Vulgaris</i> in Four Habitats," <u>J. Ecology</u> , 1985, 73:831-840	
	ABBBB	Wulff, "Seed Size Variation in <i>Desmodium Paniculatum</i> ," <u>J. Ecology</u> , 1986, 74:99-114	

Examiner Signature 	Date Considered 10/15/05
EXAMINER: Initials citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.	